Under the Paperwork Reduction Act of 1995, no persons are required to respond to collection of information unless it displays a valid OMB control number.

Seiko Eps n Ref. No.: F004928US00

ERD R f. No.: P4928a

D claration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は、下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者(下記の氏名が一つの場合)もしくは最初かつ共同発明者であると(下記の名称が複数の場合)信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

光学基板及びその製造方法並びに表示装置

OPTICAL SUBSTRATE, A MANUFACTURING METHOD THEREFOR, AND A DISPLAY DEVICE USING THE SAME

上記発明の明細書(下記の欄で×印がついていない場合は、本書に添付)は、

the specification of which is attached hereto unless the following box is checked:

was filed on December 8, 1999
as United States Application Number or
PCT International Application Number
09/457,925 and was amended on
(if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を 理解していることをここに表明します。 I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、 特許資格の有無について重要な情報を開示する義務があることを認 めます。 I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. Under the Paperwork Reduction Act of 1995, no persons are required to respond to collection of information unless it displays a valid OMB control number.

Japan s Language D claration

(日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基き下記の、米国以外の国の少なくとも1ヶ国を指定している特許協力条約365条(a)項に基づく国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)–(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

	is claimed.		
Prior Foreign Application(s) 外国での先行出願			Priority Not Claimed 優先権主張なし
10-350994	Japan	10/December/1998	
(Number)	(Country)	(Day/Month/Year Filed)	
(番号)	(国名)	(出願年月日)	
	· •		
(Number)	(Country)	(Day/Month/Year Filed)	
(番号)	(国名)	(出願年月日)	
私は、第35編米国法典11 出願規定に記載された権利をこと	9条(e)項に基いて下記の米国特 こに主張いたします。	AT	er Title 35, United States Code, States provisional application(s)
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)
(出願番号)	(出願日)	(出願番号)	(出願日)
私は下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。		I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365 (c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application:	
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status: Patented, P (現況:特許許可済	
(Application No.)	(Filing Date)	(Status: Patented, P	ending, Abandoned)
(Application No.) (出顧番号)	(出願日)	(現況:特許許可済	
(—:::- · · ·	て本宣言書中で私が行なう表明が		ements made herein of my own
	報と私の信じるところに基づく表		statements made on information

私は、私目身の知識に基づいて本宣言番中で私か行なう表明が具実であり、かつ私が入手した情報と私の信じるところに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Languag D claration

(日本語宣言書)

委任状: 私は、下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。 (弁護士、または代理人の氏名及び登録番号を明記のこと)

Customer Number 20178 Eric B. Janofsky, (Reg. 30,759) Mark P. Watson, (Reg. 31,448) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

PATENT & TRADEHARK OFFICE



·	
Send Correspondence to:	
Customer Number 20178	
EPSON Research and Development, Inc.	
225 Baypointe Parkway,	
San Jose, CA 95134-1627	
Attn: Intellectual Property Department	
Direct Telephone Calls to: (name and telephone number)	
Eric B. Janofsky (408 952–6125) or	
Mark P. Watson (408 952-6124) or	
John C. Chen, (408 952-6126)	
Full name of sole or first inventor Takao NISHIKAWA	
Inventor's signature Date	
Takao Nishikawa January 17, 2000	
Residence	
Shigjiri-Shi, Nagano-ken, Japan	
Citizenship	
Japan	
Post Office Address	
c/o Seiko Epson Corporation	
3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 Japan	
Full name of second joint inventor, if any	
Second Inventor's signature Date	
Residence	
, Japan	
Citizenship	
Post Office Address	
(Supply similar information and signature for third and subsequent joint inventors.)	